

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

F A C T S H E E T

(pursuant to NAC 445A.236)

Permittee Name: City of Henderson (COH)
240 Water Street
Henderson, Nevada 89015

Permit Number: NEV2003509

Description of Discharge

Location: City of Henderson Water Reclamation Facility (COHWRF)
200 Athens Avenue
Henderson, Clark County, Nevada 89015

Latitude: 36° 05' 07"N: Longitude: 115° 10' 00"W
Section 36, T. 21S., R. 62E. MDB&M

Characteristics: The Permittee is currently operating under temporary permit #TNEV2003355 for COHWRF onsite construction dewatering discharges. This permit is for the same discharges of pumped groundwater from dewatering wells at the facility site. The purpose of the dewatering is to allow continued dewatering for construction of new expanded facility upgrades at the plant. Groundwater depth averages 25 feet below ground surface. Groundwater underlying the facility is impacted by the regional perchlorate plume which ranges in concentration from 5700 micrograms per liter to 9700 micrograms per liter. Organic chemicals in groundwater are non-detect with the exception of chloroform of 140 micrograms per liter. The remaining groundwater quality constituents are characteristic of the shallow nuisance water aquifer with a TDS concentration of approximately 4500 ppm.

Flow: 0.500 MGD (350 gpm) 30-day average. Pumping rates average 350 GPM, however it can range from 0 to 350 GPM depending on construction activity and the relative depth to groundwater. Dewatering is anticipated to continue until late 2007.

Quantities: The Permittee will be required to monitor flow, chloroform, TDS, and Perchlorate in the discharged water. Groundwater monitoring for TDS, Chlorides, Nitrate as N, Perchlorate, chloroform, groundwater elevation and static water level is required from four monitoring wells (#2-8, #2-6, #2-3 and # 2-14)

General: The Permittee currently operates a dewatering network of seven wells which are manifolded together and discharge to pond #13 north of the plant. The proposed permit will cover additional construction dewatering discharge locations on site, which include the COHWRF evaporation-percolation ponds numbered 10, 11, and 12, and or 13 which is in use.

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-Journal** and the **Henderson Home News** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the newspaper publication date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to issue the proposed permit for a five (5) year period.

Proposed Schedule of Compliance and Special Conditions

By September 30, 2003, a Dewatering Water Discharge Management Plan shall be submitted to NDEP for review and approval. The document shall be stamped and signed by a Registered Nevada Professional Engineer and submitted to Nadir Sous, 1771 E. Flamingo Road, Suite 121-A, Las Vegas, Nevada 89119.

Rationale for Permit Requirements

Monitoring is required to monitor the quantity and quality of groundwater discharged to the evaporation-percolation ponds. Groundwater is monitored to determine if any changes in concentration or quality occur in underlying groundwater over the timeframe of the discharges.

Prepared by: Icyl C. Mulligan
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